



Quality Control Ranges

**MILLIPLEX[®] MAP Human Cytokine/ Chemokine Magnetic Bead Panel Catalog# HCYTOMAG-60K, HCYTOMAG-60K-PX29, HCYTMAG60PMX29BK, HCYTOMAG-60K-PX30, HCYTMAG60PMX30BK
Control Catalog # MXH6060-2 Lot # HCY-116 and HCY-216**

<u>Cytokine</u>	<u>QC Level</u>	<u>Expected Range</u>	<u>Units</u>	<u>Cytokine</u>	<u>QC Level</u>	<u>Expected Range</u>	<u>Units</u>
EGF	Control 1	98 – 203	pg/mL	IL-12 (p70)	Control 1	108 – 225	pg/mL
	Control 2	470 – 975	pg/mL		Control 2	557 – 1158	pg/mL
Eotaxin	Control 1	105 – 218	pg/mL	IL-13	Control 1	96 – 200	pg/mL
	Control 2	494 – 1026	pg/mL		Control 2	496 – 1030	pg/mL
G-CSF	Control 1	105 – 218	pg/mL	IL-15	Control 1	90 – 186	pg/mL
	Control 2	426 – 885	pg/mL		Control 2	500 – 1038	pg/mL
GM-CSF	Control 1	82 – 170	pg/mL	IL-17	Control 1	99 – 206	pg/mL
	Control 2	429 – 891	pg/mL		Control 2	512 – 1063	pg/mL
IFN α 2	Control 1	79 – 163	pg/mL	IL-1ra	Control 1	72 – 149	pg/mL
	Control 2	368 – 765	pg/mL		Control 2	355 – 737	pg/mL
IFN γ	Control 1	85 – 230	pg/mL	IL-1 α	Control 1	89 – 185	pg/mL
	Control 2	424 – 950	pg/mL		Control 2	430 – 893	pg/mL
IL-10	Control 1	101 – 210	pg/mL	IL-1 β	Control 1	90 – 188	pg/mL
	Control 2	509 – 1057	pg/mL		Control 2	450 – 935	pg/mL
IL-12 (p40)	Control 1	104 – 217	pg/mL	IL-2	Control 1	90 – 186	pg/mL
	Control 2	566 – 1176	pg/mL		Control 2	465 – 966	pg/mL

*****Additional Analytes on reverse side*****

Note: The Quality Control Ranges are generated with overnight assay format using serum matrix provided in the kit. *Rantes Ranges are generated with overnight assay format using Assay Buffer provided in the kit. Quality Control Ranges for 2-hour format and Quality Control Ranges in culture media are not tested.

MXH6060-2: HCY-116.216 (10 March 2022)

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IL-3	Control 1	101 – 211	pg/mL	MCP-1	Control 1	101 – 211	pg/mL
	Control 2	481 – 999	pg/mL		Control 2	500 – 1039	pg/mL
IL-4	Control 1	73 – 153	pg/mL	MIP-1 α	Control 1	134 – 278	pg/mL
	Control 2	359 – 745	pg/mL		Control 2	645 – 1340	pg/mL
IL-5	Control 1	110 – 229	pg/mL	MIP-1 β	Control 1	88 – 182	pg/mL
	Control 2	534 – 1109	pg/mL		Control 2	419 – 870	pg/mL
IL-6	Control 1	98 – 203	pg/mL	*RANTES	Control 1	99 – 205	pg/mL
	Control 2	478 – 994	pg/mL		Control 2	517 – 1073	pg/mL
IL-7	Control 1	89 – 186	pg/mL	TNF α	Control 1	86 – 179	pg/mL
	Control 2	504 – 1047	pg/mL		Control 2	466 – 968	pg/mL
IL-8	Control 1	97 – 202	pg/mL	TNF β	Control 1	96 – 199	pg/mL
	Control 2	476 – 989	pg/mL		Control 2	502 – 1042	pg/mL
IP-10	Control 1	96 – 200	pg/mL	VEGF	Control 1	101 – 211	pg/mL
	Control 2	497 – 1033	pg/mL		Control 2	481 – 999	pg/mL

Additional Analytes on reverse side

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